Joint Service Safety Conference

SAFETY TECHNOLOGY WORKING GROUP REPORT 28 JULY 2004

(Mr. Everett Smith, USAF)

Joint Service Safety Conference

Safety Technology Working Group

- Membership/Attendees
- Outstanding Business
- New Business
- Recommendations/Decision Items

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Safety Technology Working Group

- Membership/Attendees
  - USAF: Everett Smith
  - USAF: Lt Col Kay Armstrong
  - USA: Butch Wootten
  - USA: Walt Garner
  - USN: Andrew Pollard
  - USN: Kurt Garbow
  - USCG: CDR Chip Strangfeld

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Safety Technology Working Group

- Outstanding Business
  - 5-year analysis
  - MOU
  - Standards and Capabilities F-35
  - AQ technology milestones
  - Mishap reduction technologies

Safety Technology Working Group

- 5 Year MFOQA Analysis
  - Navy
    - 12% preventable equals 21 mishaps, $300M
  - Air Force
    - 25% preventable equals 38 mishaps, $800M
  - Army
    - In process

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Safety Technology Working Group

- MOU
  - Lapsed 2002
  - Recorders and mishap analysis facilities
- Proposed charter
  - Promote inter-service cooperation
  - Emerging technology education
  - Make recommendations to JSSC
  - Facilitate service adoption of technology
  - Identify initiatives for joint use/development

Safety Technology Working Group

- F-35 Standards and Capabilities
  - Status brief
    - Mr. Bob MacKrell, JSF Program Office
    - CSDR Lead Engineer
  - Built to recent standards
  - Safety Centers had zero requirements input
    - ORD states "… JSF also requires a crash survivable flight incident recorder."
    - Acoustic, video, deployable, recording time

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- Acquisition Hooks
  - SSWG Action Item
  - STWG OCR
- Mishap Reduction Technologies
  - 50% MRWG Action Item
  - STWG charter

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- New Business
  - Service MFOQA updates
  - DoD MFOQA Policy
  - MAAF tour

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- DON MFOQA Update
- F/A-18C demo at Miramar NAS Jan03
  - Initially conceived as pro-active safety project
  - Also offers
    - Maintenance - quick access to data on MX issues
    - Training - post-mission electronic debrief capability
- F/A-18B at Naval Test Pilot School
  - Monitor local training syllabus items
- SH-60B
  - Demoed program capability with no added hardware
- Initiating technical demonstration (F/A-18 and H-60)
  - $6.4M
- Developed Initial Capabilities Document for MFOQA
- Seeking $60.4M FYDP for implementation (F/A-18, H-60, V-22, T-45)

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- Coast Guard MFOQA Update
- MFOQA Demo
  - Aviation Safety Division (Lead), Operations and Engineering Program Support
- FY04/05 from recurring funds
- FY06 resource proposal (POM)
- Scope
  - Initial program H-65 demo
  - H-65, H-60 & C-130H/J long term
- Status
  - Capability and planning analysis completed
  - Have VFDRs, likely add mini-QAR

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- Army MFOQA Update
- Selected common data recorder CVR/FDR, funded
- TMDE PM conducting VMEP/HUMS demonstration, funded
- UH-60 PM conducting IMDS/HUMS demonstration, funded
- Special Ops demonstration (VMEP/HUMS), funded
- USAAVNC $4.0M contract award through GSA 27 Jul
    - Implement demo on AH-64D, OH-58D, UH-60A, and CH-47D
- Seeking $4.7M for FY05 to continue effort

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- Air Force MFOQA Update
- 5-year contract with UTRS as Program Manager
- C-17 program
  - Hiring analyst manpower
  - Enhancement of program through software and hardware improvements
- Completed T-6 demo
  - AETC/DO staff eager to make permanent
  - Hiring analyst manpower
- Researching F-16 and Special Airlift program launch
- $5.5M
  - $5.0M on UTRS contract

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- DoD MFOQA Policy
  - Establish MFOQA mandate
    - Non-punitive program
  - Send to JAG for review
    - FOIA determination
  - Vet through individual services

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- Recommendations
  - STWG OCR for SSWG acquisition milestones
  - Endorse pursuit of MFOQA DoD Directive
    - Urgent need for JAG review
      - Punitive use of data
      - FOIA / releasability of data